

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 09/211,297

Source: \_\_\_\_\_

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IFW16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/211,297

DATE: 05/03/2005

TIME: 13:27:53

Input Set : N:\Crf3\RULE60\09211297.raw.txt

Output Set: N:\CRF4\05032005\I211297.raw

## SEQUENCE LISTING

## 3 (1) GENERAL INFORMATION:

5 (i) APPLICANT: Boyle, William J.

7 (ii) TITLE OF INVENTION: Osteoprotegerin Binding Proteins

9 (iii) NUMBER OF SEQUENCES: 39

11 (iv) CORRESPONDENCE ADDRESS:

12 (A) ADDRESSEE: Amgen Inc.

13 (B) STREET: One Amgen Center Drive

14 (C) CITY: Thousand Oaks

15 (D) STATE: California

16 (E) COUNTRY: USA

17 (F) ZIP: 91320-1789

19 (v) COMPUTER READABLE FORM:

20 (A) MEDIUM TYPE: Floppy disk

21 (B) COMPUTER: IBM PC compatible

22 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

23 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

25 (vi) CURRENT APPLICATION DATA:

26 (A) APPLICATION NUMBER: US/09/211,297

27 (B) FILING DATE: 14-Dec-1998

28 (C) CLASSIFICATION: 514

C--&gt; 29 (vii) PRIOR APPLICATION DATA:

30 (A) APPLICATION NUMBER: US/08/880,855

31 (B) FILING DATE: 23-06-1997

32 (viii) ATTORNEY/AGENT INFORMATION:

33 (A) NAME: Winter, Robert B.

34 (C) REFERENCE/DOCKET NUMBER: A-451A

35 (2) INFORMATION FOR SEQ ID NO: 1:

36 (i) SEQUENCE CHARACTERISTICS:

37 (A) LENGTH: 8 amino acids

38 (B) TYPE: amino acid

39 (C) STRANDEDNESS: single

40 (D) TOPOLOGY: linear

41 (ii) MOLECULE TYPE: protein

42 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

43 Asp Pro Asn Arg Gln Asp Ile Asp

44 1 5

45 (2) INFORMATION FOR SEQ ID NO: 2:

46 (i) SEQUENCE CHARACTERISTICS:

47 (A) LENGTH: 52 base pairs

48 (B) TYPE: nucleic acid

49 (C) STRANDEDNESS: single

50 (D) TOPOLOGY: linear

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Input Set : N:\Crf3\RULE60\09211297.raw.txt  
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66 (ii) MOLECULE TYPE: cDNA  
 71 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
 73 GTTCTCCTCA TATGGATCCA AACCGTATTCTGAAGACAG CACTCACTGC TT 52  
 75 (2) INFORMATION FOR SEQ ID NO: 3:  
 77 (i) SEQUENCE CHARACTERISTICS:  
 78 (A) LENGTH: 37 base pairs  
 79 (B) TYPE: nucleic acid  
 80 (C) STRANDEDNESS: single  
 81 (D) TOPOLOGY: linear  
 83 (ii) MOLECULE TYPE: cDNA  
 88 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
 90 TACGCACCTCC GCGGTTAGTC TATGTCCTGA ACTTTGA 37  
 92 (2) INFORMATION FOR SEQ ID NO: 4:  
 94 (i) SEQUENCE CHARACTERISTICS:  
 95 (A) LENGTH: 8 amino acids  
 96 (B) TYPE: amino acid  
 97 (C) STRANDEDNESS: single  
 98 (D) TOPOLOGY: linear  
 100 (ii) MOLECULE TYPE: protein  
 105 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
 107 Glu Asn Ala Gly Gln Asp Ile Asp  
 108 1 5  
 110 (2) INFORMATION FOR SEQ ID NO: 5:  
 112 (i) SEQUENCE CHARACTERISTICS:  
 113 (A) LENGTH: 51 base pairs  
 114 (B) TYPE: nucleic acid  
 115 (C) STRANDEDNESS: single  
 116 (D) TOPOLOGY: linear  
 118 (ii) MOLECULE TYPE: cDNA  
 123 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:  
 125 ATTTGATTCT AGAAGGAGGA ATAACATATG CATGAAAACG CAGGTCTGCA G 51  
 127 (2) INFORMATION FOR SEQ ID NO: 6:  
 129 (i) SEQUENCE CHARACTERISTICS:  
 130 (A) LENGTH: 42 base pairs  
 131 (B) TYPE: nucleic acid  
 132 (C) STRANDEDNESS: single  
 133 (D) TOPOLOGY: linear  
 135 (ii) MOLECULE TYPE: cDNA  
 140 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:  
 142 TATCCGCGGA TCCTCGAGTT AGTCTATGTC CTGAACCTTG AA 42  
 144 (2) INFORMATION FOR SEQ ID NO: 7:  
 146 (i) SEQUENCE CHARACTERISTICS:  
 147 (A) LENGTH: 8 amino acids  
 148 (B) TYPE: amino acid  
 149 (C) STRANDEDNESS: single  
 150 (D) TOPOLOGY: linear  
 152 (ii) MOLECULE TYPE: protein  
 157 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:  
 159 Glu Asp Thr Leu Gln Asp Ile Asp

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160 1 5  
 162 (2) INFORMATION FOR SEQ ID NO: 8:  
 164 (i) SEQUENCE CHARACTERISTICS:  
 165 (A) LENGTH: 54 base pairs  
 166 (B) TYPE: nucleic acid  
 167 (C) STRANDEDNESS: single  
 168 (D) TOPOLOGY: linear  
 170 (ii) MOLECULE TYPE: cDNA  
 175 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:  
 177 ATTTGATTCT AGAAGGAGGA ATAACATATG TCTGAAGACA CTCTGCCGGA CTCC 54  
 179 (2) INFORMATION FOR SEQ ID NO: 9:  
 181 (i) SEQUENCE CHARACTERISTICS:  
 182 (A) LENGTH: 9 amino acids  
 183 (B) TYPE: amino acid  
 184 (C) STRANDEDNESS: single  
 185 (D) TOPOLOGY: linear  
 187 (ii) MOLECULE TYPE: protein  
 192 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:  
 194 Lys Gln Ala Phe Gln Gln Asp Ile Asp  
 195 1 5  
 197 (2) INFORMATION FOR SEQ ID NO: 10:  
 199 (i) SEQUENCE CHARACTERISTICS:  
 200 (A) LENGTH: 48 base pairs  
 201 (B) TYPE: nucleic acid  
 202 (C) STRANDEDNESS: single  
 203 (D) TOPOLOGY: linear  
 205 (ii) MOLECULE TYPE: cDNA  
 210 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:  
 212 ATTTGATTCT AGAAGGAGGA ATAACATATG AAACAAGCTT TTCAGGGG 48  
 214 (2) INFORMATION FOR SEQ ID NO: 11:  
 216 (i) SEQUENCE CHARACTERISTICS:  
 217 (A) LENGTH: 10 amino acids  
 218 (B) TYPE: amino acid  
 219 (C) STRANDEDNESS: single  
 220 (D) TOPOLOGY: linear  
 222 (ii) MOLECULE TYPE: protein  
 227 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:  
 229 Met Lys Glu Leu Gln His Gln Asp Ile Asp  
 230 1 5 10  
 232 (2) INFORMATION FOR SEQ ID NO: 12:  
 234 (i) SEQUENCE CHARACTERISTICS:  
 235 (A) LENGTH: 51 base pairs  
 236 (B) TYPE: nucleic acid  
 237 (C) STRANDEDNESS: single  
 238 (D) TOPOLOGY: linear  
 240 (ii) MOLECULE TYPE: cDNA  
 245 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:  
 247 ATTTGATTCT AGAAGGAGGA ATAACATATG AAAGAACTGC AGCACATGT G 51  
 249 (2) INFORMATION FOR SEQ ID NO: 13:

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251 (i) SEQUENCE CHARACTERISTICS:  
252 (A) LENGTH: 10 amino acids  
253 (B) TYPE: amino acid  
254 (C) STRANDEDNESS: single  
255 (D) TOPOLOGY: linear  
257 (ii) MOLECULE TYPE: protein  
262 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:  
264 Met Gln Arg Phe Ser Gly Gln Asp Ile Asp  
265 1 5 10  
267 (2) INFORMATION FOR SEQ ID NO: 14:  
269 (i) SEQUENCE CHARACTERISTICS:  
270 (A) LENGTH: 51 base pairs  
271 (B) TYPE: nucleic acid  
272 (C) STRANDEDNESS: single  
273 (D) TOPOLOGY: linear  
275 (ii) MOLECULE TYPE: cDNA  
280 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:  
282 ATTTGATTCT AGAAGGAGGA ATAACATATG CAGCGTTCT CTGGTGCTCC A 51  
284 (2) INFORMATION FOR SEQ ID NO: 15:  
286 (i) SEQUENCE CHARACTERISTICS:  
287 (A) LENGTH: 9 amino acids  
288 (B) TYPE: amino acid  
289 (C) STRANDEDNESS: single  
290 (D) TOPOLOGY: linear  
292 (ii) MOLECULE TYPE: protein  
297 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:  
299 Met Glu Gly Ser Trp Gln Asp Ile Asp  
300 1 5  
302 (2) INFORMATION FOR SEQ ID NO: 16:  
304 (i) SEQUENCE CHARACTERISTICS:  
305 (A) LENGTH: 40 base pairs  
306 (B) TYPE: nucleic acid  
307 (C) STRANDEDNESS: single  
308 (D) TOPOLOGY: linear  
310 (ii) MOLECULE TYPE: cDNA  
315 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:  
317 GTTCTCCTCA TATGGAAGGT TCTTGTTGG ATGTGGCCCA 40  
319 (2) INFORMATION FOR SEQ ID NO: 17:  
321 (i) SEQUENCE CHARACTERISTICS:  
322 (A) LENGTH: 9 amino acids  
323 (B) TYPE: amino acid  
324 (C) STRANDEDNESS: single  
325 (D) TOPOLOGY: linear  
327 (ii) MOLECULE TYPE: protein  
332 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:  
334 Met Arg Gly Lys Pro Gln Asp Ile Asp  
335 1 5  
337 (2) INFORMATION FOR SEQ ID NO: 18:  
339 (i) SEQUENCE CHARACTERISTICS:

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Input Set : N:\Crf3\RULE60\09211297.raw.txt  
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340 (A) LENGTH: 44 base pairs  
 341 (B) TYPE: nucleic acid  
 342 (C) STRANDEDNESS: single  
 343 (D) TOPOLOGY: linear  
 345 (ii) MOLECULE TYPE: cDNA  
 350 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:  
 352 GTTCTCCTCA TATGCGTGGT AAACCTGAAG CTCACCATT TGCA 44  
 354 (2) INFORMATION FOR SEQ ID NO: 19:  
 356 (i) SEQUENCE CHARACTERISTICS:  
 357 (A) LENGTH: 9 amino acids  
 358 (B) TYPE: amino acid  
 359 (C) STRANDEDNESS: single  
 360 (D) TOPOLOGY: linear  
 362 (ii) MOLECULE TYPE: protein  
 367 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:  
 369 Met Lys Pro Glu Ala Gln Asp Ile Asp  
 370 1 5  
 372 (2) INFORMATION FOR SEQ ID NO: 20:  
 374 (i) SEQUENCE CHARACTERISTICS:  
 375 (A) LENGTH: 53 base pairs  
 376 (B) TYPE: nucleic acid  
 377 (C) STRANDEDNESS: single  
 378 (D) TOPOLOGY: linear  
 380 (ii) MOLECULE TYPE: cDNA  
 385 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:  
 387 GTTCTCCTCA TATGAAACCT GAAGCTCAAC CATTGACACA CCTCACCATC AAT 53  
 389 (2) INFORMATION FOR SEQ ID NO: 21:  
 391 (i) SEQUENCE CHARACTERISTICS:  
 392 (A) LENGTH: 9 amino acids  
 393 (B) TYPE: amino acid  
 394 (C) STRANDEDNESS: single  
 395 (D) TOPOLOGY: linear  
 397 (ii) MOLECULE TYPE: protein  
 402 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:  
 404 Met His Leu Thr Ile Gln Asp Ile Asp  
 405 1 5  
 407 (2) INFORMATION FOR SEQ ID NO: 22:  
 409 (i) SEQUENCE CHARACTERISTICS:  
 410 (A) LENGTH: 65 base pairs  
 411 (B) TYPE: nucleic acid  
 412 (C) STRANDEDNESS: single  
 413 (D) TOPOLOGY: linear  
 415 (ii) MOLECULE TYPE: cDNA  
 420 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:  
 422 GTTCTCCTCA TATGCATTAACTATTAAACG CTGCATCTAT CCCATCGGGT TCCCATAAAG 60  
 424 TCACT 65  
 426 (2) INFORMATION FOR SEQ ID NO: 23:  
 428 (i) SEQUENCE CHARACTERISTICS:  
 429 (A) LENGTH: 9 amino acids

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/211,297

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Input Set : N:\Crf3\RULE60\09211297.raw.txt

Output Set: N:\CRF4\05032005\I211297.raw

L:26 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:27 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]

L:30 M:220 C: Keyword misspelled or invalid format, [(vii) PRIOR APPLICATION DATA:]

L:33 M:238 W: Alpha Fields not Ordered, Reordered [(C) CLASSIFICATION:] of (1) (vi)